مراجعات النخبة

Elite Summaries from Trust Online Academy

mathematics
primary 2025
5

mathematics



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Simplest form of a fraction

That satisfied when the only common factor of the numerator and denominator is 1

How can you simplify fraction to simplest form ?

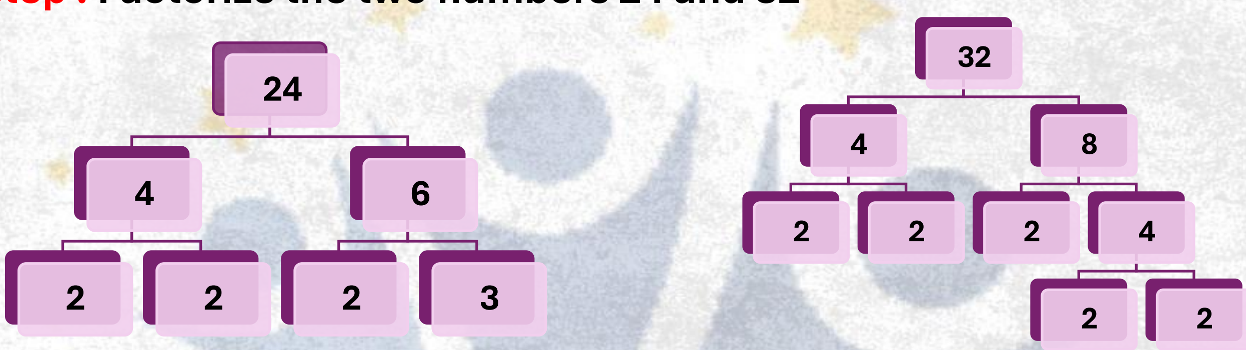
To simplify a fraction to simplest form divide both of numerator and denominator by their greatest common factor (G.C.F)

Example 2 Write each of the following fractions in the simplest form.

a. $\frac{24}{32}$

Solution

a. First step : Factorize the two numbers 24 and 32



b. Second step : Find the G.C.F for the two numbers 24 and 32

$$24 = 2 \times 2 \times 2 \times 3$$
$$32 = 2 \times 2 \times 2 \times 2 \times 2$$
$$\text{G.C.F} = 2 \times 2 \times 2 = 8$$

c. Third step : Divide the numerator and denominator by their G.C.F

$$\frac{24}{32} \xrightarrow{\div 8} = \frac{3}{4}$$

The simplest form of $\frac{24}{32}$

Learn

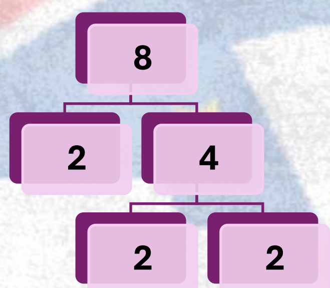
How to find like denominators for two fractions

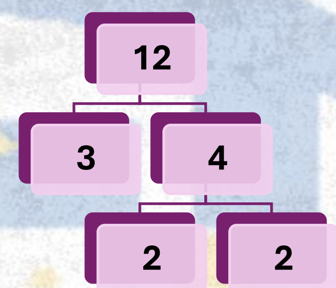
You can change the two unlike denominator fractions into two like denominator fractions by replacing one of them or both by equivalent fractions of denominator equal the L.C.M of the two denominators.

For Example : $\frac{3}{8}$ and $\frac{5}{12}$ are two unlike denominator fractions.

To change them into two like denominator fractions, you will do as follows.

a. First step : Factorize the two numbers 8 and 12





b. Second step : Find the L.C.M for the two numbers 8 and 12

$$8 = 2 \times 2 \times 2$$
$$12 = 2 \times 2 \times 3$$
$$\text{L.C.M} = 2 \times 2 \times 2 \times 3 = 24$$

c. Third step : Change the two denominators into 24 which is the L.C.M for 8 and 12

$$\frac{3}{8} \xrightarrow{\times 3} \frac{9}{24} \quad \text{and} \quad \frac{5}{12} \xrightarrow{\times 2} \frac{10}{24}$$

$\frac{3}{8} = \frac{9}{24}$ (x 3 above and below) and $\frac{5}{12} = \frac{10}{24}$ (x 2 above and below)

So, the two like denominator fractions are $\frac{9}{24}$ is $\frac{10}{24}$

Learn

Adding and subtracting unlike denominator fractions

1- To add or subtract fractions of unlike denominators, first you must write the fractions with like denominator.

2- We take the L.C.M of the two denominator as like denominator of the two fractions.

Problem Find a. $\frac{3}{10} + \frac{4}{15}$

Solution

a. **First step :** Find the L.C.M of the two denominators 10 and 15



10	=	2	x	5	x	2		
15	=			5	x	3		
L.C.M	=	2	x	5	x	3	=	30

b. **Second step :** Change the two denominators into 30

$$\frac{3}{10} \xrightarrow{\times 3} = \frac{9}{30} \quad , \quad \frac{4}{15} \xrightarrow{\times 2} = \frac{8}{30}$$

(numerator x 3, denominator x 3) , (numerator x 2, denominator x 2)

c. **Third step :** Replace the two unlike denominator fractions with two like denominator fractions and add the numerators.

$$\frac{3}{10} + \frac{4}{15} = \frac{9}{30} + \frac{8}{30} = \frac{9+8}{30} = \frac{17}{30}$$

Learn

Adding and subtracting mixed numbers with like denominators

Remember how to change from one form to another

➢ To change a mixed number into an improper fraction, you can **multiply** then **add** as shown. $2 \frac{1}{4}$ (+, x) $= \frac{9}{4}$ ← [4 x 2] + 1 4 ← Denominator stays the same So, $2\frac{1}{4} = \frac{9}{4}$	➢ To change an improper fraction into a mixed number, you can **divide**. $\frac{9}{4}$ means "9 ÷ 4" 4 ⟌ 9 → 2 ← number of wholes - 8 1 ← number of fourths 9 ÷ 4 = 2 R 1 So, $\frac{9}{4}$ is equal to $2\frac{1}{4}$

To add / subtract two mixed numbers with like denominators, you can use one of these strategies :

1- Adding subtracting using improper fractions :

a- Rewrite each mixed number as an improper fraction.

b- Add / Subtract the numerators.

For Example :

➢ $2\frac{3}{5} + 3\frac{1}{5}$

$\frac{[5 \times 2]+3}{5} + \frac{[5 \times 3]+1}{5}$

$\frac{13}{5} + \frac{16}{5} = \frac{29}{5} = 5\frac{4}{5}$

➢ $7\frac{1}{4} - 5\frac{3}{4}$

$\frac{[4 \times 7]+1}{4} - \frac{[4 \times 5]+3}{4}$

$\frac{29}{4} - \frac{23}{4} = \frac{6}{4} = \frac{3}{2} = 1\frac{1}{2}$

2- If the denominators are different :

Find the LCD and change the fractions to show the same denominator. Then add the numerators and keep the denominator. Next, add the whole numbers. Reduce or rename if necessary.

- $6\frac{1}{2} + 2\frac{3}{4}$ = (rewrite vertically)

The LCD of 2 and 4 is 4

$$\begin{array}{r} 6\frac{1}{2} \\ +\,2\frac{3}{4} \end{array} \qquad \frac{1}{2} \times \frac{2}{2} = \frac{2}{4} \qquad \begin{array}{r} 6\frac{2}{4} \\ +\,2\frac{3}{4} \\ \hline 8\frac{5}{4} \end{array}$$

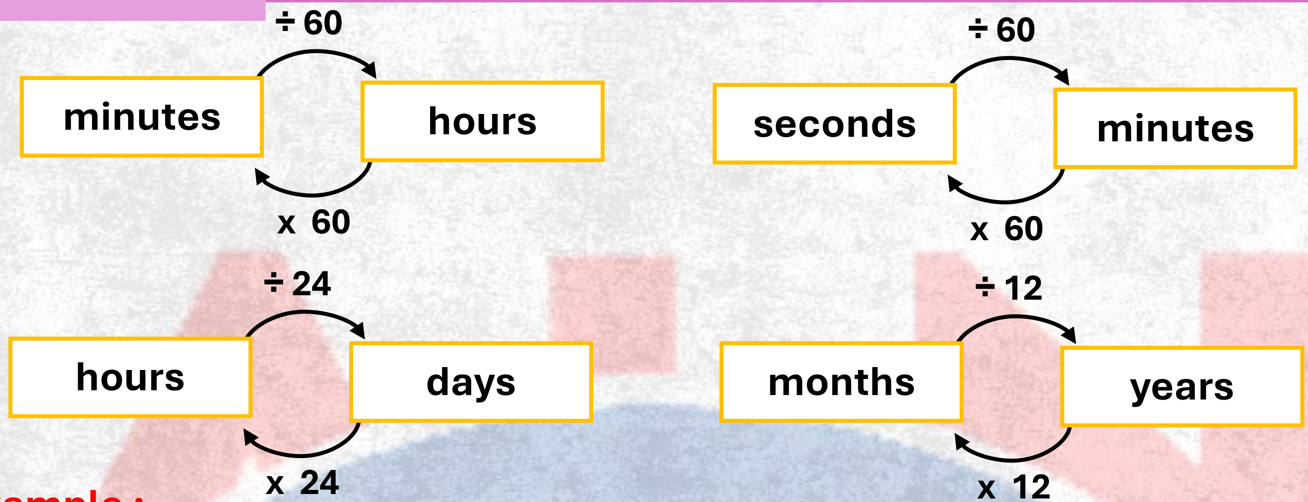
$$\frac{3}{4} \times \frac{1}{1} = \frac{3}{4}$$

Rename

$$8\frac{5}{4} \longrightarrow \frac{5}{4} = 1\frac{1}{4} \longrightarrow 8 + 1\frac{1}{4} = 9\frac{1}{4}$$

Subtracting Mixed Numbers	
borrowing Method	**Improper Fraction Method**
$5\frac{8}{8}$ ~~6~~ $(\frac{2}{8} + \frac{8}{8}) = 5\frac{10}{8}$ $-4\frac{5}{8}$ $5\frac{10}{8} - 4\frac{5}{8} = 1\frac{5}{8}$ 1- Borrow 1 from the whole 2- Add the 1 you borrowed to the fraction ($\frac{2}{8} + \frac{8}{8} = \frac{10}{8}$) 3- Subtract the mixed numbers	$6\frac{2}{8} \longrightarrow ((6 \times 8) + 2) \longrightarrow \frac{50}{8}$ $4\frac{5}{8} \longrightarrow (\frac{(4 \times 8)}{8}) + 5) \longrightarrow \frac{37}{8}$ $\frac{50}{8} - \frac{37}{8} = \frac{13}{8}$; 8 ⟌ 13 = 1 R 5 ($-8$, 5) $\frac{13}{8} \longrightarrow 1\frac{5}{8}$ 1- Change BOTH mixed numbers into improper fractions. 2- Subtract the improper fractions. 3- Convert answers to mixed number.

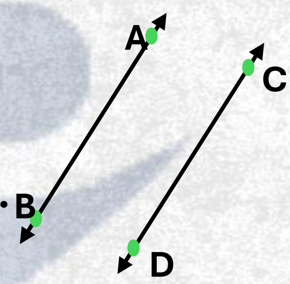
Remember



Example :

- 80 minutes = [80 ÷ 60] hours = $\frac{80}{60}$ hours = $1\frac{1}{3}$ hour
- 36 hours = [36 ÷ 24] days = $\frac{36}{24}$ day = $1\frac{1}{2}$ day
- 4 hours = [4 x 60] minutes = 240 minutes
- 5 years = [5 x 12] months = 60 months

The relation between two lines :

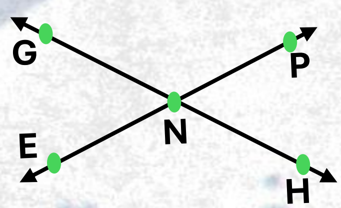


1- Parallel lines :

They never cross and they keep the same distance apart.

You can say that $\overleftrightarrow{AB}$ is parallel to $\overleftrightarrow{CD}$

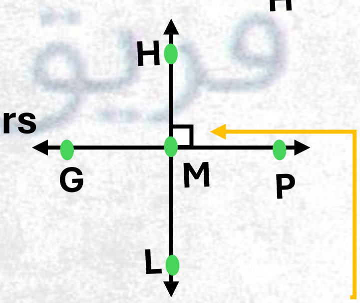
2- Intersecting lines :



They pass through the same point.

You can say that $\overleftrightarrow{EF}$ is parallel to $\overleftrightarrow{GH}$

3- Perpendicular lines :



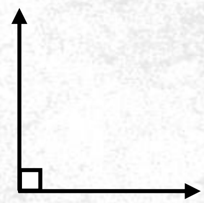
They are intersecting lines that form four square corners

You can say that $\overleftrightarrow{OP}$ is parallel to $\overleftrightarrow{NL}$

This symbol means that this is a square corner to tell you that these lines are perpendicular

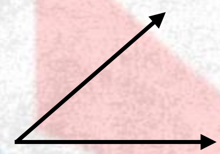
The kinds of angles are:

1- Right angle :



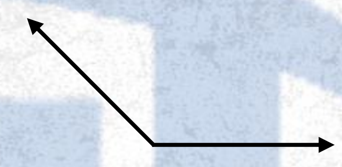
Its measure is exactly $90°$

2- Acute angle :



Its measure is between $0°$ and $90°$

3- Obtuse angle :



Its measure is between $90°$ and $180°$

4- Straight angle :

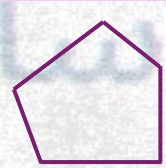
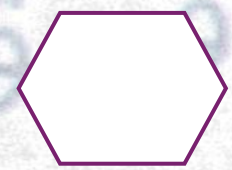


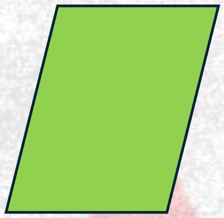
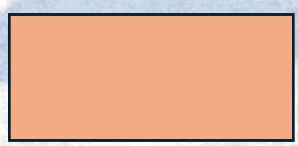
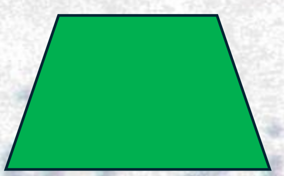
Its measure is exactly $180°$

The polygon

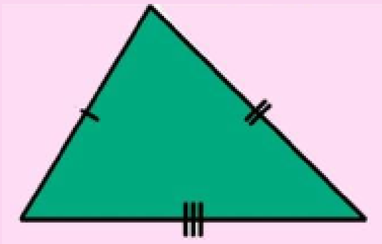
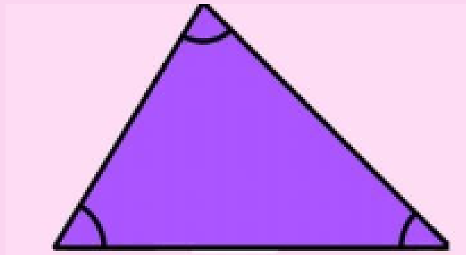
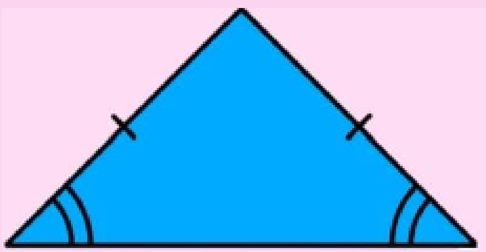
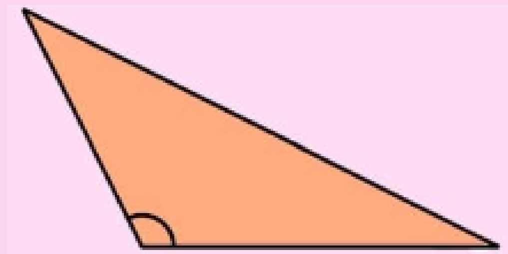
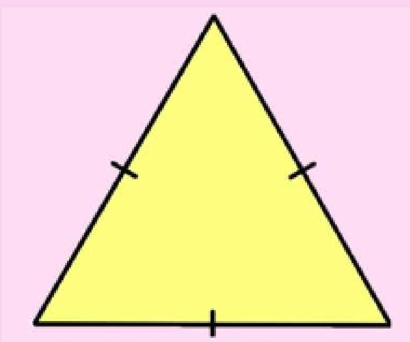
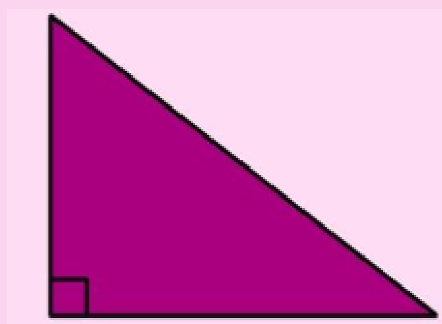
Is a simple close figure consist of some line segments.

For Example :

Triangle	Quadrilateral	Pentagon	Hexagon
 3 sides	 4 sides	 5 sides	 6 sides

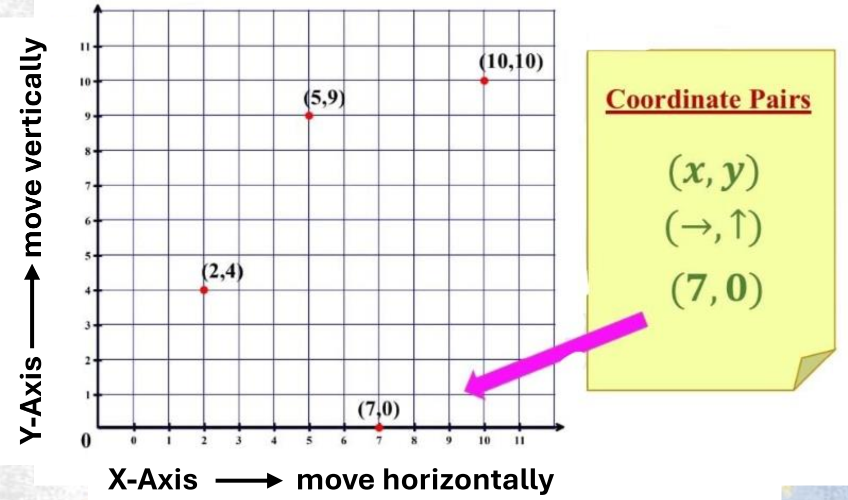
Type of quadrilateral	Name	Properties
	Parallelogram	- Opposite sides are equal and parallel. - Opposite angles are equal.
	Rhombus	- Opposite sides are parallel. - All sides are equal.
	Rectangle	- Opposite sides are parallel and equal. - Each angle is a right angle
	Square	- Opposite sides are parallel. - All sides are equal. - Each angle is a right angle.
	Kite	- Exactly two pairs of consecutive sides are equal.
	Trapezoid	- Only one pair of opposite sides are parallel.

Types of Triangles

Based on sides	Based on Angles
	
Scalene Triangle No sides equal	**Acute Triangle** All angles acute (< $90°$)
	
Isosceles Triangle Two sides equal	**Obtuse Triangle** One angle obtuse (>$90°$)
	
Equilateral Triangle All sides equal	**Right Triangle** One right angle ($90°$)

Coordinate System

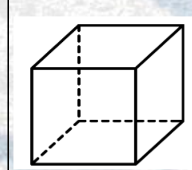
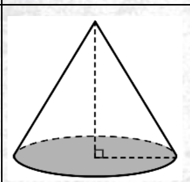
A method for finding points on a coordinate Plane (flat surface)

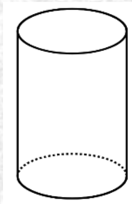
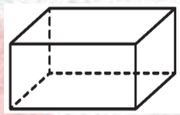
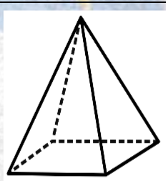


To name a coordinate pair, first travel →

across the x-axis, then travel up ↑ the y-axis.

List the point in that order, separated by a comma and inside parentheses.

Attributes of Three-Dimensional Shapes						
	Name	Picture	Face/Base Shape(s)	Number of Faces/Bases	Number of Edges	Number of Vertices
1	Cube		Squar	6	12	8
2	Cone		Circle	1	0	1

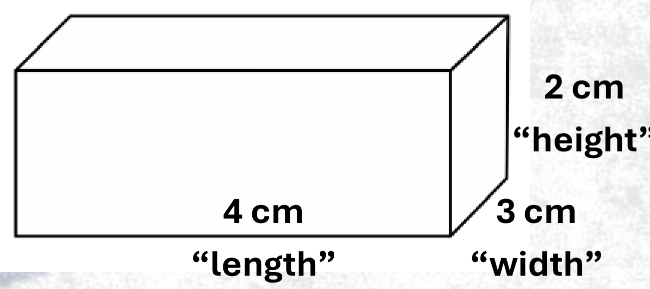
3	Cylinder		Circle	2	0	0
4	Rectangular Prism (Cuboid)		Rectangle and square	6	12	8
5	Sphere		No face	0	0	0
6	Square Pyramid		Triangle and square	5	8	5

Learn **Volume of rectangular prism (cuboid)**

- **Volume of cuboid** = length x width x height
- **Volume of cuboid** = base area x height

For Exmple :

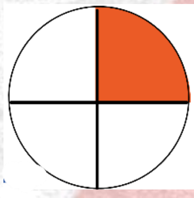
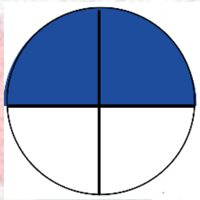
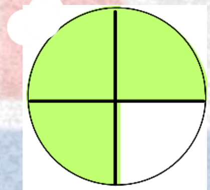
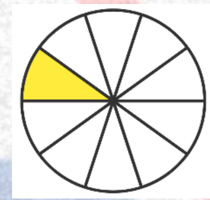
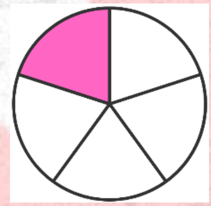
Find volume of the rectangular prism



Volume	Volume
➢ Length = 4 cm, width = 3 cm and height = 2 cm ➢ **Length x Width x Height** = 4 x 3 x 2 = 24 cm^3 ➢ Volume = 24 cm^3	➢ Base Area = length x width = 4 x 3 = 12 cm^3 ➢ **Base Area x Height** = 12 x 2 = 24 cm^3 ➢ Volume = 24 cm^3

Remember

- You have learnt before that a fraction can be represented by a part of a circle as the following :

				
The coloured part represents $\frac{1}{4}$ of a circle	The coloured part represents $\frac{1}{2}$ of a circle	The coloured part represents $\frac{3}{4}$ of a circle	The coloured part represents $\frac{1}{10}$ of a circle	The coloured part represents $\frac{1}{5}$ of a circle

- You can use equivalent fractions to determine decimals :

$\frac{1}{4} = \frac{25}{100}$	$\frac{1}{2} = \frac{5}{10}$	$\frac{3}{4} = \frac{75}{100}$	$\frac{1}{10}$	$\frac{1}{5} = \frac{2}{10}$
= 0.25	= 0.5	= 0.75	= 0.1	= 0.2

مراجعات النخبة

بنك الاسئلة

Mathematics Final Review 2025

Mathematics

مطابقة لمواصفات ورقة الامتحان وطبقا لأسئلة التقييمات



5th Primary

Prepared by:

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Questions

1. $2\frac{1}{3}$ hours = ……… Minutes

a.150 b.120 c.130 d.140

2. the volume of cuboid = base area × …………

a. length b. width c. height d. perimeter

3. $\frac{3}{7} \times$ ………… =1

a. $\frac{7}{3}$ b. 1 c. $\frac{3}{7}$ d. $\frac{5}{7}$

4 . The point ………….. located on y-axis

a.(4,0) b. (0,4) c. (4,5) d. (5,4)

5. $5\frac{1}{2} \times \frac{10}{11}$ = ………………

a. $\frac{1}{5}$ b. $\frac{1}{2}$ c.2 d.5

6. The area of the rectangle whose dimensions are 8cm, $2\frac{1}{2}$ cm is …………….. cm^2

a.20 b.5 c.6 d.10

7. The volume of a cuboid with dimensions 10 cm, 4cm and 3cm is ……………………….

a.17 cm b.17 cm^3 c.150 cm^3 d.120 cm^3

8. The -coordinate at point (6,4) is ………………

a.4 b.6 c.10 d.2

9. The fraction which represents the shaded sector is ……………



a.8 b. $\frac{1}{4}$ c. $\frac{1}{3}$ d. $\frac{1}{8}$

10. In the opposite figure:
The circular degrees that matches the fraction of the circle that is shaded equals ……………



a.30° b.60° c.90° d.120°

11. The mixed number $1\frac{6}{9}$ equivalent to………….

a. $1\frac{2}{3}$ b. $\frac{13}{9}$ c.$21\frac{2}{3}$ d. $1\frac{1}{3}$

12. When moving from the origin point 6 units to the right then 3 units up, then the coordinates of the point is…………..

a. (3,6) b. (3,9) c. (9,6) d. (6,3)

13. The origin point is………………

a.(0,0) b.(1,0) c.(0,1) d.(1,1)

14. $\frac{20}{3}$ = ………………

a.6 $\frac{2}{3}$ b. 6 $\frac{1}{3}$ c.1 $\frac{2}{3}$ d.1 $\frac{3}{6}$

15. 25× $\frac{3}{5}$ = ……………….

a. $\frac{3}{5}$ b.5 c.15 d.25

16. 4÷ $\frac{2}{5}$ = ……………….

a. $\frac{2}{20}$ b.10 c.20 d. $\frac{5}{8}$

17. The number of vertices of the quadrilateral pyramid is

a.2 b.3 c.4 d.5

18. Choose the correct answer.
A cuboid has 4 horizontal layers and 5 cube units in each layer , then its volume = ……………….. cube units

a.9 b.18 c.20 d.24

19. Subtract $9\frac{5}{7} - 1\frac{2}{7}$ = ……………….

a. $8\frac{3}{7}$ b. $10\frac{3}{7}$ c. $8\frac{10}{7}$ d. $10\frac{3}{7}$

20. The origin point is………………

a. (1,0) b. (0,1) c. (0,0) d.(1,1)

21. $\frac{45}{60}$ = …………….

a. $\frac{5}{6}$ b. $\frac{3}{4}$ c. $\frac{18}{20}$ d. $\frac{10}{12}$

22. $\frac{5}{6} + \frac{7}{6}$ = ……………..

a. $1\frac{5}{6}$ b. $1\frac{11}{12}$ c.2 d. $2\frac{1}{6}$

23. The L.C.M of 8 and 6 is ………….

a.48 b.18 c.16 d.24

24. $\frac{1}{2} \div 3 =$ ……………

a. $\frac{3}{2}$ b. $\frac{2}{3}$ c. $\frac{1}{6}$ d. 6

25. Any triangle has at least……………… acute angles.

a. 0 b. 1 c. 2 d. 3

26. The point………lies on the X-axis.

a. (5,0) b. (0,5) c. (1,5) d. (5,1)

27. The point (0,9) lies on……………….

a. y-axis b. x-axis c. origin point d. otherwise

28. The mixed number 3 5/8 can be regrouped as…………………

a. $2\frac{13}{8}$ b. $\frac{29}{8}$ c. $2\frac{13}{5}$ d. $5\frac{3}{8}$

29. Which of the following is equivalent to $\frac{5}{6}$?

a. $\frac{15}{16}$ b. $\frac{10}{8}$ c. $1\frac{1}{5}$ d. $\frac{20}{24}$

30. A cuboid of length 7 cm, width 4 cm and height 5 cm, then its volume =………………… cm^3

a.140 b.70 c.100 d.120

31. The cone has…………… vertex

a.0 b.1 c.2 d.3

32. The measure of the central angle of the circular sector that represents $\frac{1}{4}$ of the circle is.....°

a.45 b.90 c.30 d.180

33. The x-coordinate of the origin point is………………

a. 0 b. 1 c. 2 d. 3

34. $\frac{1}{6} + \frac{1}{3}$ ……………… $\frac{9}{12} - \frac{1}{4}$

a. = b. > c.< d. otherwise

35. $\frac{3}{7} \times$ ……………. =1

a.7 b.3 c.$\frac{7}{3}$ d.1

36. A cuboid of length 5 cm, width 3 cm and height 2 cm, then its volume = ……………cm^3

a.15 b.24 c.30 d.10

37. $5 \times \frac{3}{7}$ ……………. $4 \times \frac{3}{7}$

a.< b.> c.= d. otherwise

38. The x-coordinate of the ordered pair (4,3) is

a.3 b.4 c.5 d.6

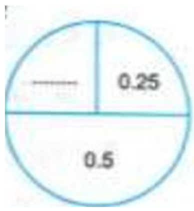
39. $3\frac{3}{4} - 2\frac{1}{2}$ = ………………..

a. $1\frac{1}{4}$ b. $5\frac{2}{6}$ c. $\frac{15}{4}$ d. $5\frac{1}{2}$

40. The triangle whose side lengths are 5 cm, 3 cm and 5 cm is……………

a. isosceles b. equilateral c. scalene d. otherwise

41. The fraction of the missing part of the opposite pie chart =……………….



a.0.5 b.0.25 c.0.4 d.0.8

42. $\frac{5}{3}$ is a/an ....

a. proper fraction

b. improper fraction

c. mixed number

d. whole number

43. 5- $3\frac{1}{2}$ = ...

a. $1\frac{1}{2}$

b. 2

c. $8\frac{1}{2}$

d. $2\frac{1}{2}$

44. 2 hours and half =........... minutes

a. 150

b. 140

c. 135

d. 120

45. $\frac{3}{4}$ × .... = $\frac{3}{8}$

a. $\frac{1}{4}$

b. $\frac{1}{2}$

c.$1\frac{1}{2}$

d. $\frac{8}{3}$

46. ....÷ $\frac{1}{5}$ = 15

a. $\frac{1}{10}$

b.10

c.3

d. $\frac{1}{3}$

47. $\frac{1}{5}$ × ....=1

a. $\frac{5}{4}$

b.5

c.4

d. $\frac{1}{5}$

48. The smallest like denominator of $\frac{5}{6}$and $\frac{1}{3}$ is ……

a. 18 b.6 c.3 d.2

49. The ……………….. has one vertex

a. cube b. cuboid c. cone d. cylinder

50. A rhombus with 4 right angles is a……………

a. rectangle b. square c. parallelogram d. trapezium

51. The right-angled triangle has one right angle and two………… Angles

a. acute b. right c. obtuse d. straight

52………..is a three-dimensional shape that has two circular faces

a. cylinder b. sphere c. cone d. circle

53.Area of rectangle whose length is 3 cm, width $2\frac{1}{3}$ cm is ………………… cm^2

a.8 b.7 c.6 d.5

54. $7\frac{3}{4}$ hours = ………………… hours + ………………….. minutes

a. 7, 30 b. 7 , 45 c.7 , 20 d. 7 , $\frac{1}{2}$

55. $\frac{2}{5} + \frac{3}{10}$ = ……….

a. $\frac{5}{15}$ b. $\frac{7}{10}$ c. $\frac{5}{10}$ d. $\frac{1}{2}$

56. $\frac{3}{4} + \frac{1}{2}$ = ………………..

a. $\frac{4}{6}$ b. $\frac{3}{8}$ c. $\frac{1}{4}$ d. $1\frac{1}{4}$

57.The sum of measures of angles accumulation around a point as the centre of the circle is …..

a.90° b. 180° c. 360° d. 100°

58.The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is

a.18 b.6 c.3 d.5

59.A triangle with obtuse angle is called ……….-angled triangle.

a. a right b.an obtuse c.an acute d. otherwise

60.A cuboid of length 5 cm , width 3 cm and height 2 cm , its volume = ……….. cm^3

a.30 b.15 c.10 d.6

61.How many seventh in 7 ? ………………

a.49 b. $\frac{1}{7}$ c. $\frac{1}{49}$ d. $\frac{49}{7}$

62.The solid with 2 circular bases is …………….

a. cylinder b. cone c. cube d.cuboid

63. A rectangular prism has a volume of 240 cm^3, and its base area is 80
cm^2,then its height is ……….cm.

a.4 b.5 c.6 d.3

64. The number of edges of the cube is……………………….

a.5 b.6 c.8 d.12

65. The number of axes of symmetry of the rectangle is………………

a.0 b.1 c.2 d.3

66. A …………………is a quadrilateral in which all of its sides are equal in length.

a. rhombus b. parallelogram c. rectangle d. trapezium

67. A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called
a/an……………… triangle.

a. equilateral b. scalene c. isosceles d. otherwise

68. A three-dimensional shape whose base is a circle is a ……………….

a. cone b. pyramid c. cuboid d. cube

69. The fraction $\frac{3}{7}$ is closer to the benchmark fraction…………….

a. $\frac{1}{2}$ b. 1 c. $1\frac{1}{2}$ d. 0

70. $5\frac{1}{6}$ = …………

a. $\frac{51}{6}$ b. $1\frac{5}{6}$ c. $\frac{12}{6}$ d. $\frac{31}{6}$

71. The smallest like denominator for the fractions $\frac{1}{4}$ and $\frac{2}{3}$ is ………………

a.12 b.24 c.36 d.48

72. $3\frac{1}{4}$ + …………… = $5\frac{1}{2}$

a.$1\frac{1}{2}$ b. $2\frac{1}{2}$ c. $1\frac{1}{4}$ d.$2\frac{1}{4}$

73. $1\frac{1}{4}$ year = ………….. months

a.12 b.16 c.15 d.18

74. $\frac{8}{9} \times \frac{\dots\dots}{6} = \frac{4}{9}$

a.8 b.1 c.3 d.4

75. …………$\div \frac{1}{4}$ = 16

a. $\frac{1}{4}$ b.4 c.2 d.8

76.A………is a circle bases divided into sectors .

a. central angle b. bar graph c. pie chart d. pictograph

77.12 ÷ 9 = ………………

a. $1\frac{1}{2}$ b. $1\frac{1}{5}$ c. $1\frac{1}{4}$ d. $1\frac{1}{3}$

78. $6\frac{1}{2}$ = ………÷ 2

a. 11 b.12 c.13 d.14

79. $1\frac{4}{5} - 1\frac{1}{20}$ = ……………..

a. $\frac{7}{20}$ b. $\frac{4}{3}$ c. $\frac{3}{4}$ d. $1\frac{1}{5}$

80. $5\frac{2}{7}$ +k =$6\frac{5}{7}$ then k= …………..

a. $11\frac{6}{7}$ b. $1\frac{3}{7}$ c. $4\frac{3}{7}$ d. $5\frac{1}{7}$

81.The smallest like denominator for the fractions $\frac{1}{2}$ and $\frac{1}{3}$ is

a.6 b.5 c.23 d.32

81.The area of the opposite figure = ……………… cm²



a.25 b.10 c.5 d.20

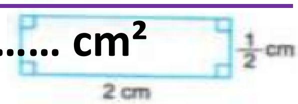
82.If $8\frac{1}{2} + x = 10\frac{1}{2}$. Then the value of x is ....

a.1 b.2 c.3 d.4

83. Add $\frac{5}{8} + \frac{1}{4}$ = ...

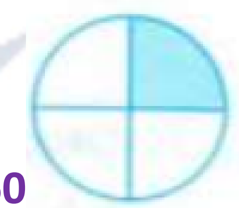
a. $\frac{7}{8}$ b. $\frac{6}{8}$ c. $\frac{6}{4}$ d. $\frac{5}{8}$

84. The area of the opposite rectangle = ... cm²



a.1 b.2 c.4 d.8

85. The circular degree of the shaded part is ....



a. 90° b. 180° c. 270° d. 360

86. The horizontal number line on a coordinate plane is called ....

a. origin b. x-axis c. y-axis d. ordered pair

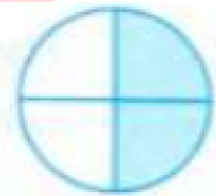
87. $\frac{23}{6}$ is equivalent to ....

a. $4\frac{1}{6}$ b. $3\frac{5}{6}$ c. $2\frac{3}{6}$ d. $3\frac{3}{6}$

88. The quadrilateral which has no line of symmetry is the ………….

a. square b. rhombus c. rectangle d. parallelogram

89. The decimal representing the shaded part is ………..



a. 0.85 b. 0.75 c. 0.5 d. 0.25

90. The volume of a rectangular prism whose dimensions are 5 cm, 4 cm , 3 cm is ……….. cm^3..

a. 80 b. 70 c. 60 d. 50

91. If $\frac{1}{4} \div C = \frac{1}{24}$, *then* C = ………….

a. 8 b. 6 c. $\frac{1}{6}$ d. $\frac{1}{8}$

92. $\frac{1}{4} + 3\frac{7}{8} = 4+$ …………..

a. $\frac{1}{4}$ b. $\frac{7}{8}$ c. $\frac{1}{8}$ d. $\frac{3}{8}$

93. $9 \times \frac{5}{9} =$ ……………

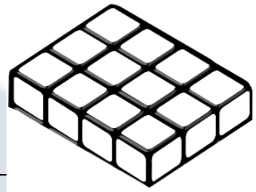
a.15 b.12 c.10 d. 0.5

1- Mohamed studied math for $2\frac{3}{4}$ hour and science for $1\frac{1}{2}$ hour, how many hours did he study in all ?

2- Find : $3\frac{1}{3} \times \frac{1}{7}$

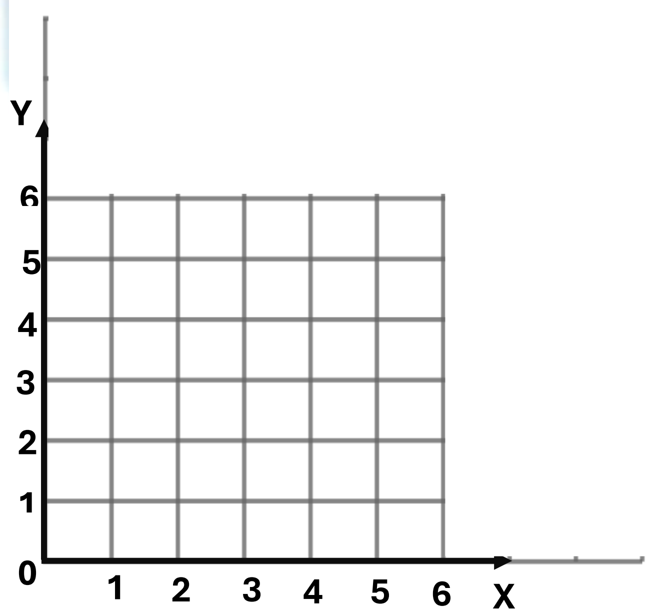
3- In the opposite figure :

Number of cube units = ...

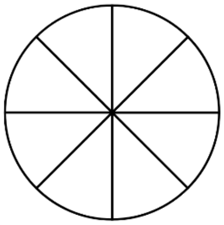


4- In the opposite coordinate plane graph, the figure ABCD where :

A (1,1) , B (5,1) , C (5,4) and D (1,4)



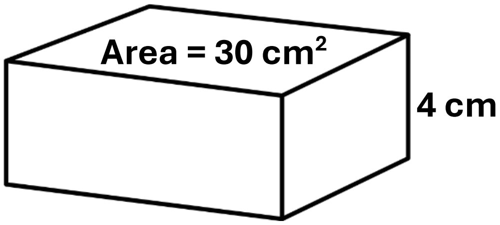
5- The fraction represents the shaded part = ...



6- The rectangle of dimensions $\frac{1}{3}$ length unit and $\frac{1}{5}$ length unit

Its area = ...

7- Find the volume of the opposite cuboid



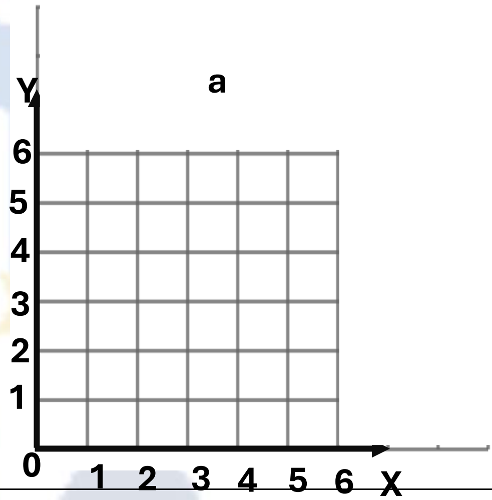
8- (a) Plot the points on the coordinate grid.

A (2,2) , B (2,5) , C (5,5) , D (5,2)

(b) Connect the points in order, then write the name of the polygon and its area.

- The name of the polygon is ....

- Its area = ... square unit.



9- The circular degree that matches the fracti the circle that is shaded = ... °



10- A road is 10 km long, if $4\frac{2}{7}$ km is paved. How many kilometers are not paved?

11- Marwan was training for $1\frac{1}{2}$ hour, then he stopped for drinking water, then he trained for $\frac{3}{4}$ hour How many hours did he train?

12 – Find the volume of a cuboid of length 7 cm, width 5 cm and height 2 cm?

13- Multiply then write the result in simplest form: $1\frac{3}{5}$ + $1\frac{1}{9}$ = ...

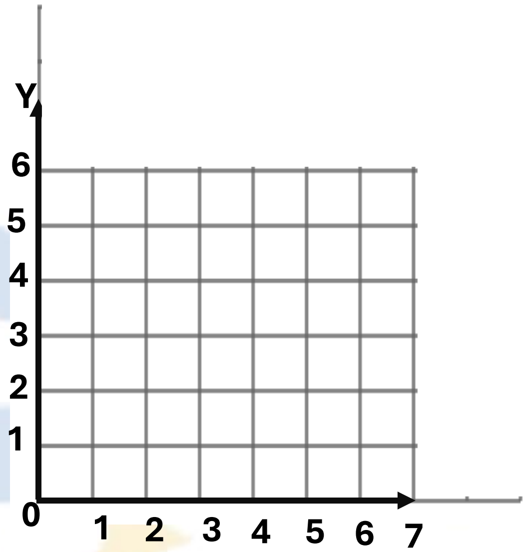
14- Amged walked $\frac{3}{4}$ km and Bassem walked $\frac{2}{5}$ km, what s the difference between the two distances?

15- Multiply then put the result in simplest form: $2\frac{1}{4} \times 2\frac{2}{3}$ = ...

16- A mosque has a window that is $\frac{4}{5}$ m wide and $1\frac{1}{4}$ m long. What is the area of window in square meter?

17- Subtract: $2\frac{2}{3} - 1\frac{3}{5}$ = ...

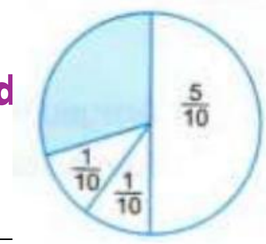
18- Plot the point on the coordinates grid, then join in order:
A (2,1) , B (3,4) , C (6,4) , D (7,1)



19- Adel has 5 pieces of candy, he wants to divide them among a number of his friends. If each of them has a share $\frac{1}{2}$ piece, how many friends does he have?

20- A carpenter makes a box of wood whose length is 60 cm, its width is 50 cm, and its height 80 cm, find the volume of the box.

21- In the opposite figure:
What is the fraction that represents the shaded



22- Which is greater in volume ?

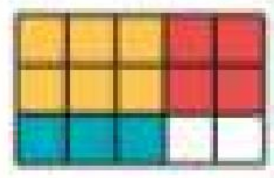
rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm

or rectangular prism with a base area of 60 cm^2 and a height of 7 cm.

23- Rania spends $\frac{3}{4}$ of her monthly salary on food, rent, ultilies, and transportation. After these expenses, she is left with 1250 pounds.
What is Rania's monthly salary?

24- Nihal has 9 friends, she made 3 pies for her friends, and she wants to divide these pies equally among them. What is the share of each of them?

25- Write the multiplication problem expressed in the opposite model, then find the product.

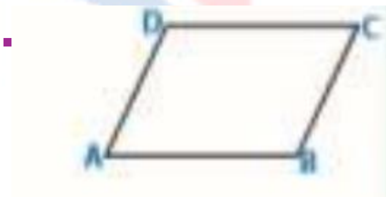


26- Maged has a garden of length $5\frac{1}{3}$ meters and meters and width $4\frac{1}{2}$ meters.

27- Ahmed expected to do the homework in $\frac{4}{5}$ of an hour, but he completed it in $\frac{3}{4}$ of an hour. How much more or less time did Ahmed take than he expected?

20 = 120 of an hou

28- (a) The corresponding figure is called ....



(b) AB = ... , $\overline{AB}$ // ....

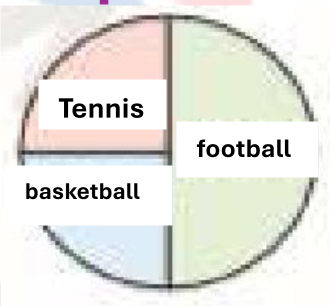
(c) AD = ... , $\overline{AD}$ // ....

29- Which is greater in area ?

A rectangle of width $3\frac{1}{2}$ m and length $5\frac{1}{3}$ m or a rectangle of length $4\frac{2}{3}$ width $4\frac{1}{2}$ m

30- Find the missing: $1\frac{1}{2} - m = \frac{2}{7}$

31- The following pie Chart shows the favorite sport fro200 pupils, complete:

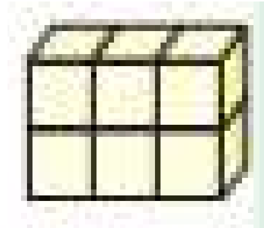


(1)The most preferred sport is……

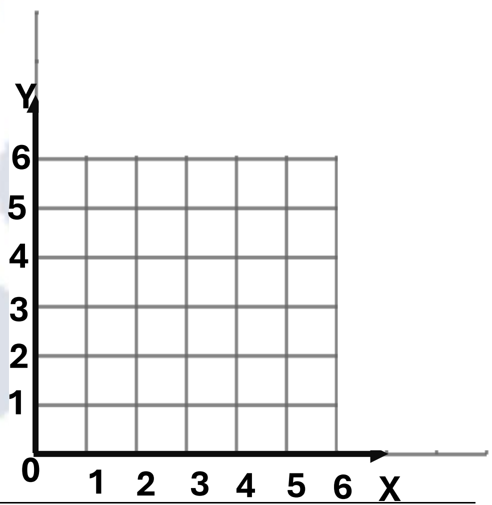
(2)The number of pupils who prefer tennis is…….pupils

32- Find the value of the unknown: $\frac{3}{20} + b = \frac{2}{5}$

33- Observe the opposite cuboid, then complete:
(each cube represents 1 cm)
(1) Length= ...... cm
(2) Width=....... cm
(3) Height=...... cm
(4) Volume=...... cm³



34- In The opposite coordinate plane:
Grap the figure ABCD where:
A(2,2) B(2,5) C(6,5) D(6,2)
then write the name of the figure ABCD



35- In the oppostte pie Chart
shade $\frac{1}{3}$ of circle,then complete
(1) The number of the shaded parts is....
(2) The fraction that represents unshaded parts



36- Find the L.C.M of 12 and 18

37- Answer each of following:

Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more than Karim

What is the distance that Sameh walked?

38- There are 8 bags of fava breads, each bag has a mass of $\frac{3}{4}$ kilogram.

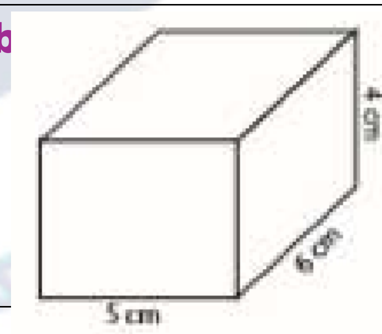
What is the total mass of the fava breads?

39- How many fourths are there in 8?

40- Maha has $\frac{1}{4}$ kg of flour, She used $\frac{2}{5}$ kg of it. What is the remaining amount with her?

41- All ate $\frac{1}{4}$ of 24 candles. How many candles are left ?

42- Find the volume of the opposite cub

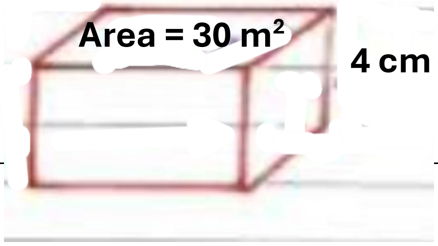


43- Amal Studies Maths for $3\frac{1}{2}$ hours and English for 20 mins . How many hours did Amal Studies?

44- A Swimming pool The Length of it's base 50 m The width is 20 m and the height is 3 m find it's Volume?

45- Ali Studies Arabic $3\frac{1}{2}$ hours and Science $2\frac{1}{2}$ hours How many hours did They study in all?

46- Find Volume of opposite Cuboid?



47- There are 5 Kg of flour. A worker divides it into packages of $\frac{1}{4}$ Kg. How many packages will be made ?

48- Ahmed's Garden herb is 5 units long by § unit wide . What is the area of Ahmed's herb garden?

مراجعات النخبة

بنك الاسئلة

Mathematics

Mathematics Final Review 2025

Mathematics

Answer Form

5th Primary

Prepared b:
Mrs. Asmaa Sakr



Trust Academy Online

SCAN ME

1. 2 $\frac{1}{3}$ hours = ... Minutes

a.150 b.120 c.130 d.140

2. the volume of cuboid = base area × ....

a. length b. width c. height d. perimeter

3. $\frac{3}{7} \times$ .... =1

a. $\frac{7}{3}$ b. 1 c. $\frac{3}{7}$ d. $\frac{5}{7}$

4 . The point .... located on y-axis

a.(4,0) b. (0,4) c. (4,5) d. (5,4)

5. $5\frac{1}{2} \times \frac{10}{11}$ = ...

a. $\frac{1}{5}$ b. $\frac{1}{2}$ c.2 d.5

6. The area of the rectangle whose dimensions are 8cm, 2 $\frac{1}{2}$ cm is .... cm^2

a.20 b.5 c.6 d.10

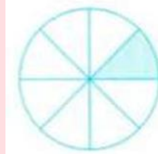
7. The volume of a cuboid with dimensions 10 cm, 4cm and 3cm is ....

a.17 cm b.17 cm^3 c.150 cm^3 d.120 cm^3

8. The -coordinate at point (6,4) is ………………

a.4 b.6 c.10 d.2

9. The fraction which represents the shaded sector is ……………



a.8 b. $\frac{1}{4}$ c. $\frac{1}{3}$ d. $\frac{1}{8}$

10. In the opposite figure:
The circular degrees that matches the fraction of the circle that is shaded equals ……………



a.30° b.60° c.90° d.120°

11. The mixed number $1\frac{6}{9}$ equivalent to………….

a. $1\frac{2}{3}$ b. $\frac{13}{9}$ c.$21\frac{2}{3}$ d. $1\frac{1}{3}$

12. When moving from the origin point 6 units to the right then 3 units up, then the coordinates of the point is………….

a. (3,6) b. (3,9) c. (9,6) d. (6,3)

13. The origin point is………………

a.(0,0) b.(1,0) c.(0,1) d.(1,1)

14. $\frac{20}{3}$ = ……………..

a. $6\frac{2}{3}$ b. $6\ \frac{1}{3}$ c. $1\frac{2}{3}$ d. $1\frac{3}{6}$

15. 25× $\frac{3}{5}$ = ……………….

a. $\frac{3}{5}$ b. 5 c. 15 d. 25

16. 4÷ $\frac{2}{5}$ = ……………….

a. $\frac{2}{20}$ b. 10 c. 20 d. $\frac{5}{8}$

17. The number of vertices of the quadrilateral pyramid is

a. 2 b. 3 c. 4 d. 5

18. Choose the correct answer.
A cuboid has 4 horizontal layers and 5 cube units in each layer , then its volume = ……………….. cube units

a. 9 b. 18 c. 20 d. 24

19. Subtract $9\frac{5}{7} - 1\frac{2}{7}$ = ……………….

a. $8\frac{3}{7}$ b. $10\frac{3}{7}$ c. $8\frac{10}{7}$ d. $10\frac{3}{7}$

20. The origin point is………………

a. (1,0) b. (0,1) c. (0,0) d. (1,1)

21. $\frac{45}{60}$ = ……………

a. $\frac{5}{6}$ b. $\frac{3}{4}$ c. $\frac{18}{20}$ d. $\frac{10}{12}$

22. $\frac{5}{6} + \frac{7}{6}$ = ……………..

a. $1\frac{5}{6}$ b. $1\frac{11}{12}$ c. 2 d. $2\frac{1}{6}$

23. The L.C.M of 8 and 6 is …………

a. 48 b. 18 c. 16 d. 24

24. $\frac{1}{2} \div 3$ = ……………

a. $\frac{3}{2}$ b. $\frac{2}{3}$ c. $\frac{1}{6}$ d. 6

25. Any triangle has at least……………. acute angles.

a. 0 b. 1 c. 2 d. 3

26. The point………lies on the X-axis.

a. (5,0) b. (0,5) c. (1,5) d. (5,1)

27. The point (0,9) lies on……………….

a. y-axis b. x-axis c. origin point d. otherwise

28. The mixed number 3 5/8 can be regrouped as…………………

a. $2\frac{13}{8}$ b. $\frac{29}{8}$ c. $2\frac{13}{5}$ d. $5\frac{3}{8}$

29. Which of the following is equivalent to $\frac{5}{6}$?

a. $\frac{15}{16}$ b. $\frac{10}{8}$ c. $1\frac{1}{5}$ d. $\frac{20}{24}$

30. A cuboid of length 7 cm, width 4 cm and height 5 cm, then its volume =………………… cm^3

a.140 b.70 c.100 d.120

31. The cone has……………. vertex

a.0 b.1 c.2 d.3

32. The measure of the central angle of the circular sector that represents $\frac{1}{4}$ of the circle is.....°

a.45 b.90 c.30 d.180

33. The x-coordinate of the origin point is…………………

a. 0 b. 1 c. 2 d. 3

34. $\frac{1}{6} + \frac{1}{3}$ ……………… $\frac{9}{12} - \frac{1}{4}$

a. = b. > c.< d. otherwise

35. $\frac{3}{7}$ × ……………. =1

a.7 b.3 c.$\frac{7}{3}$ d.1

36. A cuboid of length 5 cm, width 3 cm and height 2 cm, then its volume = ……………cm^3

a.15 b.24 c.30 d.10

37. 5 × $\frac{3}{7}$ …………….. 4 × $\frac{3}{7}$

a.< b.> c.= d. otherwise

38. The x-coordinate of the ordered pair (4,3) is

a.3 b.4 c.5 d.6

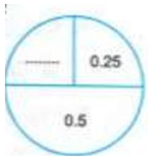
39. $3\frac{3}{4} - 2\frac{1}{2}$ = …………………

a.$1\frac{1}{4}$ b. $5\frac{2}{6}$ c. $\frac{15}{4}$ d. $5\frac{1}{2}$

40. The triangle whose side lengths are 5 cm, 3 cm and 5 cm is……………

a. isosceles b. equilateral c. scalene d. otherwise

41. The fraction of the missing part of the opposite pie chart =……………….



a.0.5 b.0.25 c.0.4 d.0.8

42. $\frac{5}{3}$ is a/an ....

a. proper fraction
b. improper fraction
c. mixed number
d. whole number

43. 5- $3\frac{1}{2}$ = ...

a. $1\frac{1}{2}$
b. 2
c. $8\frac{1}{2}$
d. $2\frac{1}{2}$

44. 2 hours and half =........... minutes

a. 150
b. 140
c. 135
d. 120

45. $\frac{3}{4}$ × .... = $\frac{3}{8}$

a. $\frac{1}{4}$
b. $\frac{1}{2}$
c. $1\frac{1}{2}$
d. $\frac{8}{3}$

46. ....÷ $\frac{1}{5}$ = 15

a. $\frac{1}{10}$
b. 10
c. 3
d. $\frac{1}{3}$

47. $\frac{1}{5}$ × ....=1

a. $\frac{5}{4}$
b. 5
c. 4
d. $\frac{1}{5}$

48. The smallest like denominator of $\frac{5}{6}$and $\frac{1}{3}$ is ……

a. 18 b.6 c.3 d.2

49. The ……………….. has one vertex

a. cube b. cuboid c. cone d. cylinder

50. A rhombus with 4 right angles is a……………

a. rectangle b. square c. parallelogram d. trapezium

51. The right-angled triangle has one right angle and two………… Angles

a. acute b. right c. obtuse d. straight

52……….is a three-dimensional shape that has two circular faces

a. cylinder b. sphere c. cone d. circle

53.Area of rectangle whose length is 3 cm, width $2\frac{1}{3}$ cm is ………………… cm^2

a.8 b.7 c.6 d.5

54. 7 $\frac{3}{4}$ hours = ………………… hours + ………………….. minutes

a. 7, 30 b. 7 , 45 c.7 , 20 d. 7 , $\frac{1}{2}$

55. $\frac{2}{5} + \frac{3}{10} =$ ....

a. $\frac{5}{15}$ b. $\frac{7}{10}$ c. $\frac{5}{10}$ d. $\frac{1}{2}$

56. $\frac{3}{4} + \frac{1}{2} =$ ....

a. $\frac{4}{6}$ b. $\frac{3}{8}$ c. $\frac{1}{4}$ d. $1\frac{1}{4}$

57. The sum of measures of angles accumulation around a point as the centre of the circle is .....

a. 90° b. 180° c. 360° d. 100°

58. The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is

a. 18 b. 6 c. 3 d. 5

59. A triangle with obtuse angle is called ....-angled triangle.

a. a right b. an obtuse c. an acute d. otherwise

60. A cuboid of length 5 cm , width 3 cm and height 2 cm , its volume = ... cm^3

a. 30 b. 15 c. 10 d. 6

61. How many seventh in 7 ? ....

a. 49 b. $\frac{1}{7}$ c. $\frac{1}{49}$ d. $\frac{49}{7}$

62.The solid with 2 circular bases is …………….

a. cylinder b. cone c. cube d.cuboid

63. A rectangular prism has a volume of 240 cm^3, and its base area is 80
cm^2,then its height is ……….cm.

a.4 b.5 c.6 d.3

64. The number of edges of the cube is……………………….

a.5 b.6 c.8 d.12

65. The number of axes of symmetry of the rectangle is……………..

a.0 b.1 c.2 d.3

66. A …………………is a quadrilateral in which all of its sides are equal in length.

a. rhombus b. parallelogram c. rectangle d. trapezium

67. A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an……………… triangle.

a. equilateral b. scalene c. isosceles d. otherwise

68. A three-dimensional shape whose base is a circle is a ……………….

a. cone b. pyramid c. cuboid d. cube

69. The fraction $\frac{3}{7}$ is closer to the benchmark fraction…………….

a. $\frac{1}{2}$ b. 1 c. $1\frac{1}{2}$ d. 0

70. $5\frac{1}{6}$ = …………

a. $\frac{51}{6}$ b. $1\frac{5}{6}$ c. $\frac{12}{6}$ d. $\frac{31}{6}$

71. The smallest like denominator for the fractions $\frac{1}{4}$ and $\frac{2}{3}$ is ………………

a.12 b.24 c.36 d.48

72. $3\frac{1}{4}$ + ……………. = $5\frac{1}{2}$

a. $1\frac{1}{2}$ b. $2\frac{1}{2}$ c. $1\frac{1}{4}$ d. $2\frac{1}{4}$

73. $1\frac{1}{4}$ year = ………….. months

a.12 b.16 c.15 d.18

74. $\frac{8}{9} \times \frac{\ldots\ldots}{6} = \frac{4}{9}$

a.8 b.1 c.3 d.4

75. ....÷ $\frac{1}{4}$ = 16

a. $\frac{1}{4}$ b.4 c.2 d.8

76.A.........is a circle bases divided into sectors .

a. central angle b. bar graph c. pie chart d. pictograph

77.12 ÷ 9 = ...

a. $1\frac{1}{2}$ b. $1\frac{1}{5}$ c. $1\frac{1}{4}$ d. $1\frac{1}{3}$

78. $6\frac{1}{2}$ = ...÷ 2

a. 11 b.12 c.13 d.14

79. $1\frac{4}{5} - 1\frac{1}{20}$ = ...

a. $\frac{7}{20}$ b. $\frac{4}{3}$ c. $\frac{3}{4}$ d. $1\frac{1}{5}$

80. $5\frac{2}{7}$ +k =$6\frac{5}{7}$ then k= ....

a. $11\frac{6}{7}$ b. $1\frac{3}{7}$ c. $4\frac{3}{7}$ d. $5\frac{1}{7}$

81.The smallest like denominator for the fractions $\frac{1}{2}$ and $\frac{1}{3}$ is

a.6 b.5 c.23 d.32

81.The area of the opposite figure = ……………… cm^2



a.25 b.10 c.5 d.20

82.If $8\frac{1}{2} + x = 10\frac{1}{2}$. Then the value of x is ………….

a.1 b.2 c.3 d.4

83. Add $\frac{5}{8} + \frac{1}{4}$ = ……………..

a. $\frac{7}{8}$ b. $\frac{6}{8}$ c. $\frac{6}{4}$ d. $\frac{5}{8}$

84. The area of the opposite rectangle = ……………… cm^2



a.1 b.2 c.4 d.8

85. The circular degree of the shaded part is ……….



a. 90° b. 180° c. 270° d. 360°

86. The horizontal number line on a coordinate plane is called …………..

a. origin b. x-axis c. y-axis d. ordered pair

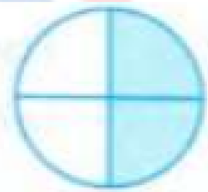
87. $\frac{23}{6}$ is equivalent to …………

a. $4\frac{1}{6}$ b. $3\ \frac{5}{6}$ c. $2\ \frac{3}{6}$ d. $3\ \frac{3}{6}$

88. The quadrilateral which has no line of symmetry is the …………

a. square b. rhombus c. rectangle d. parallelogram

89. The decimal representing the shaded part is …………



a. 0.85 b. 0.75 c. 0.5 d. 0.25

90. The volume of a rectangular prism whose dimensions are 5 cm, 4 cm , 3 cm is ………… cm^3..

a. 80 b. 70 c. 60 d. 50

91. If $\frac{1}{4} \div$ C = $\frac{1}{24}$, *then* C = …………

a. 8 b. 6 c. $\frac{1}{6}$ d. $\frac{1}{8}$

92. $\frac{1}{4} + 3\ \frac{7}{8}$ = 4+ ………….

a. $\frac{1}{4}$ b. $\frac{7}{8}$ c. $\frac{1}{8}$ d. $\frac{3}{8}$

93. $9 \times \frac{5}{9}$ = ……………

a.15 b.12 c.10 d. 0.5

1- Mohamed studied math for $2\frac{3}{4}$ hour and science for $1\frac{1}{2}$ hour, how many hours did he study in all ?

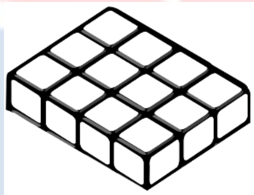
He studied = $2\frac{3}{4} + 1\frac{1}{2} = 2\frac{3}{4} + 1\frac{2}{4} = 4\frac{1}{4}$ hours

2- Find : $3\frac{1}{3}$ x $\frac{1}{7}$

$3\frac{1}{3} \times \frac{1}{7} = \frac{10}{3} \times \frac{1}{7} = \frac{10}{21}$

3- In the opposite figure :

Number of cube units = ...

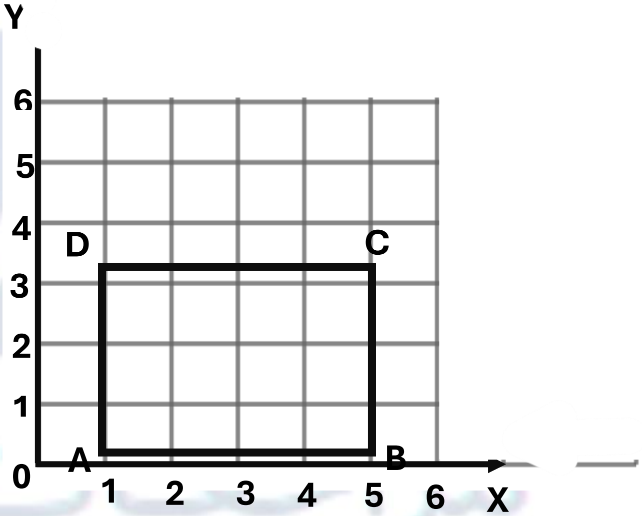


12 units

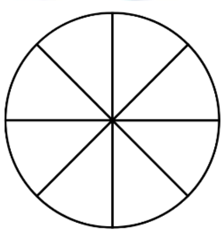
4- In the opposite coordinate plane graph, the figure ABCD where :

A (1,1) , B (5,1) ,

C (5,4) and D (1,4)



5- The fraction represents the shaded part = ...



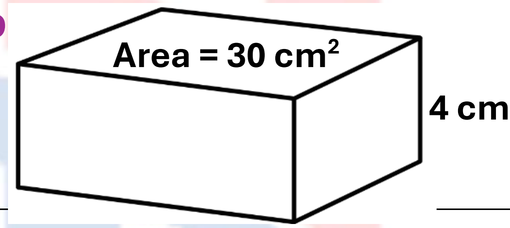
$\frac{1}{8}$

6- The rectangle of dimensions $\frac{1}{3}$ length unit and $\frac{1}{5}$ length unit

Its area = ...

Its area = $\frac{1}{3}$ x $\frac{1}{5}$ = $\frac{1}{15}$ square unit

7- Find the volume of the opposite cub



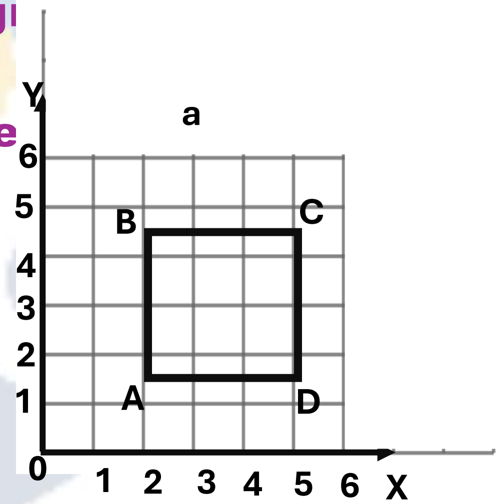
The volume = 30 x 4 = 120 cm^3

8- (a) Plot the points on the coordinate gr

A (2,2) , B (2,5) , C (5,5) , D (5,2)

(b) Connect the points in order, then write the name of the polygon and its area.

- The name of the polygon is ....
- Its area = ... square unit.



b- Square, 9

9- The circular degree that matches the fraction of the circle that is shaded = ... °



5 x 60° = 300°

10- A road is 10 km long, if $4\frac{2}{7}$ km is paved. How many kilometers are not paved?

Number of kilometers = 10 - $4\frac{2}{7}$ = $9\frac{7}{7}$ - $4\frac{2}{7}$ = $5\frac{5}{7}$ km

11- Marwan was training for $1\frac{1}{2}$ hour, then he stopped for drinking water, then he trained for $\frac{3}{4}$ hour How many hours did he train?

The time he trained = $1\frac{1}{2} + \frac{3}{4} = \frac{3}{2} + \frac{3}{4} = \frac{6}{4} + \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$ hour

12 – Find the volume of a cuboid of length 7 cm, width 5 cm and height 2 cm?

The volume = 7 x 5 x 2 = 70 cm^3

13- Multiply then write the result in simplest form: $1\frac{3}{5} + 1\frac{1}{9}$ = ...

$1\frac{3}{5} \times 1\frac{1}{9} = \frac{8}{8} \times \frac{18}{9} = \frac{16}{9} = 1\frac{7}{9}$

14- Amged walked $\frac{3}{4}$ km and Bassem walked $\frac{2}{5}$ km, what s the difference between the two distances?

The difference = $\frac{3}{4} - \frac{2}{5} = \frac{15}{20} - \frac{8}{20} = \frac{7}{20}$ km

15- Multiply then put the result in simplest form: $2\frac{1}{4} \times 2\frac{2}{3}$ = ...

$2\frac{1}{4} \times 2\frac{2}{3} = \frac{9}{4} \times \frac{8}{3} = 6$

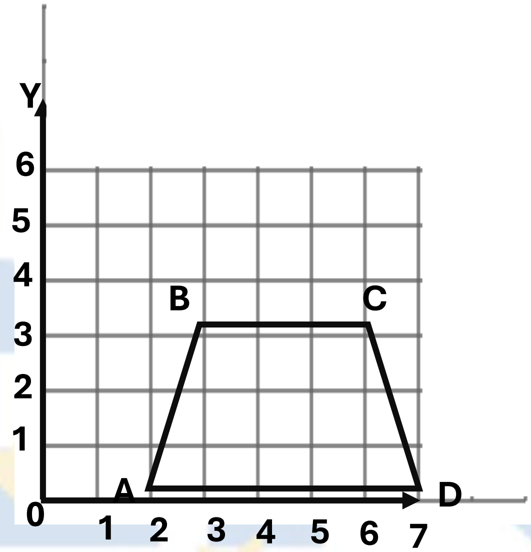
16- A mosque has a window that is $\frac{4}{5}$ m wide and $1\frac{1}{4}$ m long. What is the area of window in square meter?

The area = $\frac{4}{5} \times 1\frac{1}{4} = \frac{4}{5} \times \frac{5}{4} = 1$ m^2

17- Subtract: $2\frac{2}{3} - 1\frac{3}{5}$ = ...

$2\frac{2}{3} - 1\frac{3}{5} = 2\frac{10}{15} - 1\frac{9}{15} = 1\frac{1}{15}$

18- Plot the point on the coordinates grid, then join in order:
A (2,1) , B (3,4) , C (6,4) ,
D (7,1)



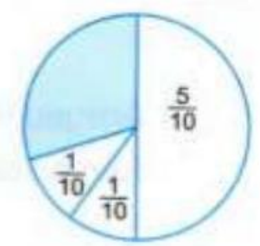
19- Adel has 5 pieces of candy, he wants to divide them among a number of his friends. If each of them has a share $\frac{1}{2}$ piece, how many friends does he have?

Number of friends = $5 \div \frac{1}{2} = 5 \times 2 = 10$ friends

20- A carpenter makes a box of wood whose length is 60 cm, its width is 50 cm, and its height 80 cm, find the volume of the box.

The volume = $60 \times 50 \times 80 = 240000 \text{ cm}^3$

21- In the opposite figure:
What is the fraction that represents the shaded part?



$2 - (\frac{5}{10} + \frac{1}{10} + \frac{1}{10}) = \frac{10}{10} - \frac{7}{10} = \frac{3}{10}$

22- Which is greater in volume ?

rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm

or rectangular prism with a base area of 60 cm^2 and a height of 7 cm.

The volume of the first prism = length x width x height = 10 x 5 x 4 = 200 cm^3
The volume of the second prism = base area x height = 60 x 7 = 420 cm^3
The volume of the second prism is greater.

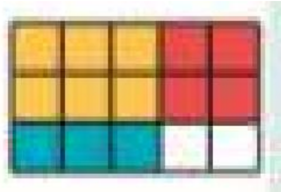
23- Rania spends $\frac{3}{4}$ of her monthly salary on food, rent, ultilies, and transportation. After these expenses, she is left with 1250 pounds.
What is Rania's monthly salary?

$\frac{1}{4}$ of her monthly salary = 1250 pounds
Rania's monthly salary = 1250 x 4 = 5000 pounds

24- Nihal has 9 friends, she made 3 pies for her friends, and she wants to divide these pies equally among them. What is the share of each of them?

The share of each if them = 3 ÷ 9 = $\frac{1}{3}$ of the pie

25- Write the multiplication problem expressed in the opposite model, then find the product.



The product = $\frac{2}{3}$ x $\frac{3}{5}$ = $\frac{6}{15}$ = $\frac{2}{5}$

26- Maged has a garden of length $5\frac{1}{3}$ meters and meters and width $4\frac{1}{2}$ meters.

The area of the garden = $5\frac{1}{3} \times 4\frac{1}{2} = \frac{16}{3} \times \frac{9}{2} = 24$ cm²

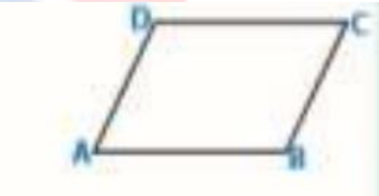
27- Ahmed expected to do the homework in $\frac{4}{5}$ of an hour, but he completed it in $\frac{3}{4}$ of an hour. How much more or less time did Ahmed take than he expected?

The difference in time = $\frac{4}{5} - \frac{3}{4} = \frac{16}{20} = \frac{15}{20} = \frac{1}{20}$ of an hour

28- (a) The corresponding figure is called ....

(b) AB = ... , $\overline{AB}$ // ....

(c) AD = ... , $\overline{AD}$ // ....



a) Parallelogram.
b) CD , $\overline{CD}$
c) BC , $\overline{BC}$

29- Which is greater in area ?

A rectangle of width $3\frac{1}{2}$ m and length $5\frac{1}{3}$ m or a rectangle of length $4\frac{2}{3}$ width $4\frac{1}{2}$ m

- Area of the first rectangle = $3\frac{1}{2} \times 5\frac{1}{3} = \frac{7}{2} \times \frac{16}{3} = 18\frac{2}{3}$ m²
- Area of the second rectangle = $4\frac{2}{3} \times 4\frac{1}{2} = \frac{14}{3} \times \frac{9}{2} = 21$ m²
- The second rectangle has a greater area

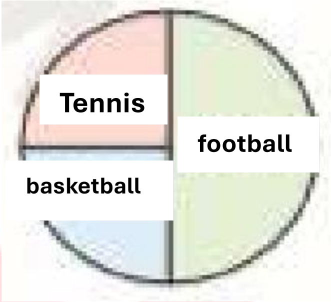
30- Find the missing: $1\frac{1}{2}$ - m = $\frac{2}{7}$

m = $1\frac{1}{2} - \frac{2}{7} = 1\frac{7}{14} - \frac{4}{14} = 1\frac{3}{14}$

31- The following pie Chart shows the favorite sport fro200 pupils, complete:

(1)The most preferred sport is......

(2)The number of pupils who prefer tennis is.......pupils



(1) Football (2) 50 pupils

32- Find the value of the unknown: $\frac{3}{20} + b = \frac{2}{5}$

$b = \frac{2}{5} - \frac{3}{20} = \frac{8}{20} - \frac{3}{20} = \frac{5}{20} = \frac{1}{4}$

33- Observe the opposite cuboid, then complete:

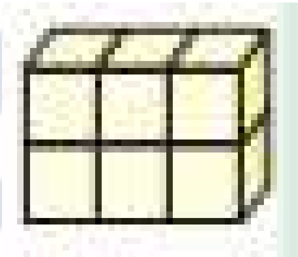
(each cube represents 1 cm)

(1) Length= ...... cm

(2) Width=....... cm

(3) Height=...... cm

(4) Volume=...... cm^3



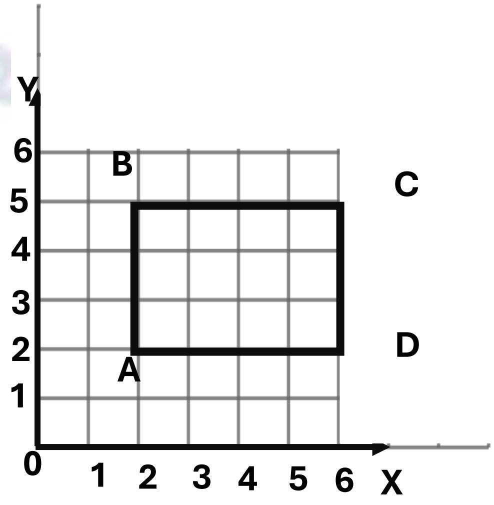
(1)3 cm	(2) 1 cm
(3)2 cm	(4)6 cm^3

34- In The opposite coordinate plane:

Grap the figure ABCD where:

A(2,2) B(2,5) C(6,5) D(6,2)

then write the name of the figure ABCD



35- In the oppostte pie Chart shade $\frac{1}{3}$ of circle,then complete

(1) The number of the shaded parts is....

(2) The fraction that represents unshaded parts is.....



1) 4

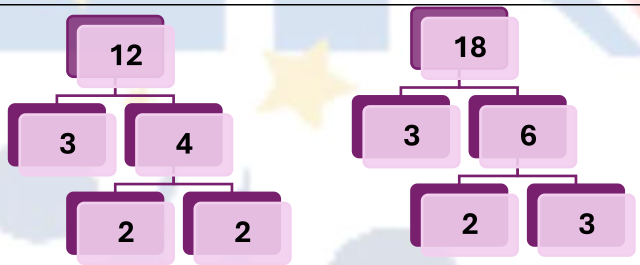
2) $\frac{2}{3}$

36- Find the L.C.M of 12 and 18

12=2×2×3

18=2×3×3

L.C.M = 2×2×3×3= 36



37- Answer each of following:

Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more than Karim

What is the distance that Sameh walked?

The distance that Sameh walked = $2\frac{1}{5} + 1\frac{1}{3} = 2\frac{3}{15} + 1\frac{5}{15} = 3\frac{8}{15}$ kilometers

38- There are 8 bags of fava breads, each bag has a mass of $\frac{3}{4}$ kilogram.

What is the total mass of the fava breads?

The total mass=$8 \times \frac{3}{2}$ = 6 kg

39- How many fourths are there in 8?

$8 \div \frac{1}{4}$ = 32 fourths

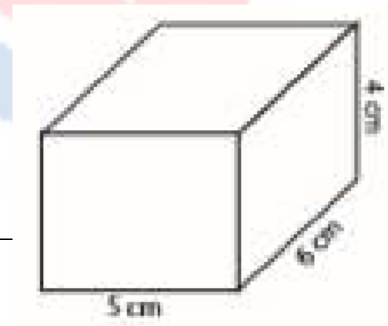
40- Maha has $\frac{1}{4}$ kg of flour, She used $\frac{2}{5}$ kg of it. What is the remaining amount with her?

The remaining amount with Maha = $\frac{1}{2}$ - $\frac{2}{5}$ = $\frac{5}{10}$ - $\frac{4}{10}$ = $\frac{1}{10}$ kg

41- All ate $\frac{1}{4}$ of 24 candles. How many candles are left ?

- All ate = $\frac{1}{4}$ x 24 = 6 candles
- The remaining candles = 24 – 6 = 18 candles

42- Find the volume of the opposite cuboid.



The volume=length × width × height
= 6×5×4 = 120 cm^3

43- Amal Studies Maths for $3\frac{1}{2}$ hours and English for 20 mins . How many hours did Amal Studies?

20 mins = $\frac{1}{3}$ hours

$3\frac{1}{2} + \frac{1}{3} = 3\frac{3}{6} + \frac{2}{6} = 3\frac{5}{6}$ hours

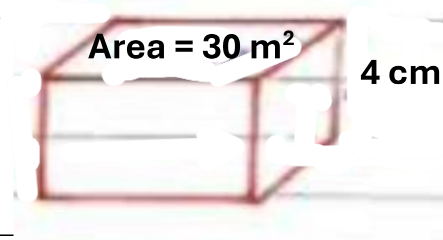
44- A Swimming pool The Length of it's base 50 m The width is 20 m and the height is 3 m find it's Volume?

V=L × w × h = 50 × 20 × 3 = 3000 m^3

45- Ali Studies Arabic $3\frac{1}{2}$ hours and Science $2\frac{1}{2}$ hours How many hours did They study in all?

$3\frac{1}{2} + 2\frac{1}{2} = 5\frac{2}{2} = 6$ hours

46- Find Volume of opposite Cuboid?



V = B.A × H = 30 x 4 = 120 cm^3

47- There are 5 Kg of flour. A worker divides it into packages of $\frac{1}{4}$ Kg. How many packages will be made ?

$5 \div \frac{1}{4} = \frac{5}{1} \times \frac{4}{1} = 20$ packages

48- Ahmed's Garden herb is 5 units long by § unit wide . What is the area of Ahmed's herb garden?

$A = L \times w = 5 \times \frac{2}{12} = \frac{2}{3}\ m^2$